Appendix E

NUCLEAR WASTE MANAGEMENT PROGRAM Sandia National Laboratories	**Design Document Criteria Form**	**Form Number:** NP 19-1-4 **Page 1 of 1**

1. **Software Name:**
2. **Software Version:**
3. **Document Version:**
4. **ERMS #:**

Prior to sign-off of the DD, all items shall be appropriately addressed by the code sponsor so that "**Yes**" may be checked. Include this form as part of the DD.

Are the following appropriately defined and documented in the DD?

5. Major Software Components ☐ Yes

6. Technical description of the software with respect to: ☐ Yes
   theoretical basis, embodied mathematical model, major
   control flow, control logic, and data structures

7. Allowable or Prescribed Ranges for Inputs and Outputs ☐ Yes

8. Verifiability: Is the design verifiable through testing or other ☐ Yes
   means?

9. Consistency and Traceability: Is the design consistent with ☐ Yes
   and traceable to the software's requirements?

10. Technical Feasibility: Is the design technically feasible? ☐ Yes

11. Implementation: Is the design presented in sufficient detail ☐ Yes
    to allow for implementation as computer software?

12. **Code Team/Sponsor** (*print*)	Signature	Date
13. **Technical Reviewer** (*print*)	Signature	Date
14. **Responsible Manager** (*print*)	Signature	Date
15. **SCM Coordinator** (*print*)	Signature	Date

Key for check boxes above:

Check **Yes** for each item reviewed and found acceptable